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The Society of the
Plastics Industry, Inc.

# Quarterly Statistical Report-Polyester Resins

355 Lexington Avenue
New York, New York 10017
(212) 503-0600

FOR THE QUARTER AND PERIOD ENDED
Fourth Quarter: December 31, 1985

## PRODUCTION AND SALES & CAPTIVE USE OF POLYESTER RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y.

RELEASE DATE: March 21, 1986

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SOURCE: SPI COMMITTEE ON RESIN STATISTICS
AS COMPILED BY ERNST & WHINNEY

SPI

SECTION I

CRS

QUARTERLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOSETTING RESINS

FIRST QUARTER REVISED 1985

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FIRST QUARTER | | | YEAR-TO-DATE | | | FIRST QUARTER | | | YEAR-TO-DATE | | |
| | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE |
| **TOTAL POLYESTER *(Unsaturated)* RESINS** | | | | | | | | | | | | |
| Total Domestic | 302,190 | 300,678 | +0.5 | 302,190 | 300,678 | +0.5 | 301,812 | 305,363 | -1.2 | 301,812 | 305,363 | -1.2 |
| Reinforced Plastics, Total | 235,992 | 231,804 | +1.8 | 235,992 | 231,804 | +1.8 | 230,886 | 229,633 | +0.5 | 230,886 | 229,633 | +0.5 |
| Non-Reinforced Plastics, Total | 66,198 | 68,874 | -3.9 | 66,198 | 68,874 | -3.9 | 70,926 | 75,730 | -6.3 | 70,926 | 75,730 | -6.3 |
| **DOMESTIC REINFORCED PLASTICS, TOTAL** | 235,992 | 231,804 | +1.8 | 235,992 | 231,804 | +1.8 | | | | | | |
| Marine and Marine Accessories, Total | 59,234 | 61,660 | -3.9 | 59,234 | 61,660 | -3.9 | | | | | | |
| Transportation, Total | 29,499 | 25,035 | +17.8 | 29,499 | 25,035 | +17.8 | | | | | | |
| Autos, Trucks, Buses, etc. Total | 24,779 | 20,868 | +18.8 | 24,779 | 20,863 | +18.8 | | | | | | |
| Other Transportation | 4,720 | 4,172 | +13.1 | 4,720 | 4,172 | +13.1 | | | | | | |
| Construction, Total | 96,284 | 94,112 | +2.3 | 96,284 | 94,112 | +2.3 | | | | | | |
| General Construction | 41,063 | 43,579 | -5.8 | 41,063 | 43,579 | -5.8 | | | | | | |
| Bathroom Components and Fixtures | 26,903 | 22,948 | +17.2 | 26,903 | 22,948 | +17.2 | | | | | | |
| Corrosion Resistant and General Purpose Tanks, Pipes, etc. | 28,318 | 27,585 | +2.7 | 28,318 | 27,585 | +2.7 | | | | | | |
| Electrical Generation, Transmission and Distribution, and Electronic Components, Total | 7,552 | 8,809 | -14.3 | 7,552 | 8,809 | -14.3 | | | | | | |
| Consumer Goods, Total | 22,656 | 22,021 | +2.9 | 22,656 | 22,021 | +2.9 | | | | | | |
| Major Appliances & Parts and Business Equipment Parts & Components | 4,956 | 6,027 | -17.8 | 4,956 | 6,027 | -17.8 | | | | | | |
| Recreational Goods, Toys, Etc. | 8,968 | 10,199 | -12.1 | 8,968 | 10,199 | -12.1 | | | | | | |
| Other Consumer Goods | 8,732 | 5,795 | +50.7 | 8,732 | 5,795 | +50.7 | | | | | | |
| Gel Coats | 9,676 | 10,663 | -9.3 | 9,676 | 10,663 | -9.3 | | | | | | |
| Other Reinforced, Total | 11,091 | 9,504 | +16.7 | 11,091 | 9,504 | +16.7 | | | | | | |
| **DOMESTIC NON-REINFORCED, TOTAL** | 66,198 | 68,874 | -3.9 | 66,198 | 68,874 | -3.9 | | | | | | |
| Castings, Total | 38,694 | 37,812 | +2.3 | 38,694 | 37,812 | +2.3 | | | | | | |
| Furniture, Non-Reinforced | 979 | 895 | +9.4 | 979 | 895 | +9.4 | | | | | | |
| Cultured Marble & Onyx | 25,799 | 25,277 | +2.1 | 25,799 | 25,277 | +2.1 | | | | | | |
| Other | 11,916 | 11,640 | +2.4 | 11,916 | 11,640 | +2.4 | | | | | | |
| Autobody Putty | 13,856 | 13,844 | +0.1 | 13,856 | 13,844 | +0.1 | | | | | | |
| Surface and Protective Coatings | 1,535 | 1,240 | +23.8 | 1,535 | 1,240 | +23.8 | | | | | | |
| Bonding and Adhesives | 503 | 482 | +4.4 | 503 | 482 | +4.4 | | | | | | |
| Unsaturated Polyester Alkyd Resins | D(1) | D(1) | | D(1) | D(1) | | | | | | | |
| Minebolt Anchor Resins | 4,920 | 5,441 | -9.6 | 4,920 | 5,441 | -9.6 | | | | | | |
| Polymer Concrete | 1,333 | * | | 1,333 | * | | | | | | | |
| Other Non-Reinforced, Total | 5,357 | 10,055 | -46.7 | 5,357 | 10,055 | -46.7 | | | | | | |

* = DATA NOT AVAILABLE IN 1984

(1) = Included in other Non-Reinforced Total

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

0-6% Imputation Reinforced Plastics

D - Disclosure

SPI

SECTION I

CRS

QUARTERLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOSETTING RESINS

SECOND QUARTER REVISED 1985

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SECOND QUARTER | | | YEAR-TO-DATE | | | SECOND QUARTER | | | YEAR-TO-DATE | | |
| | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE |
| **TOTAL POLYESTER *(Unsaturated)* RESINS** | | | | | | | | | | | | |
| Total Domestic | 326,939 | 336,156 | -2.7 | 629,129 | 636,834 | -1.2 | 328,420 | 342,595 | -4.1 | 630,232 | 647,958 | -2.7 |
| Reinforced Plastics, Total | 251,694 | 260,013 | -3.2 | 487,686 | 491,817 | -0.8 | 247,957 | 258,659 | -4.1 | 478,843 | 488,292 | -1.9 |
| Non-Reinforced Plastics, Total | 75,245 | 76,143 | -1.2 | 141,443 | 145,017 | -2.5 | 80,463 | 83,936 | -4.1 | 151,389 | 159,666 | -5.2 |
| **DOMESTIC REINFORCED PLASTICS, TOTAL** | 251,694 | 260,013 | -3.2 | 487,686 | 491,817 | -0.8 | | | | | | |
| Marine and Marine Accessories, Total | 68,461 | 71,244 | -3.9 | 127,695 | 132,904 | -3.9 | | | | | | |
| Transportation, Total | 29,700 | 26,781 | +10.9 | 59,199 | 51,816 | +14.2 | | | | | | |
| Autos, Trucks, Buses, etc. Total | 24,918 | 22,621 | +10.2 | 49,697 | 43,484 | +14.3 | | | | | | |
| Other Transportation | 4,782 | 4,160 | +15.0 | 9,502 | 8,332 | +14.0 | | | | | | |
| Construction, Total | 102,691 | 111,546 | 7.9 | 198,975 | 205,658 | -3.2 | | | | | | |
| General Construction | 41,781 | 49,402 | +15.4 | 82,844 | 92,981 | -10.9 | | | | | | |
| Bathroom Components and Fixtures | 31,462 | 29,381 | +7.1 | 58,365 | 52,329 | +11.5 | | | | | | |
| Corrosion Resistant and General Purpose Tanks, Pipes, etc. | 29,448 | 32,763 | -10.1 | 57,766 | 60,348 | -4.3 | | | | | | |
| Electrical Generation, Transmission and Distribution, and Electronic Components, Total | 7,047 | 9,360 | -24.7 | 14,599 | 18,169 | -20.0 | | | | | | |
| Consumer Goods, Total | 24,666 | 20,541 | +20.1 | 47,322 | 42,562 | +11.2 | | | | | | |
| Major Appliances & Parts and Business Equipment Parts & Components | 5,286 | 4,160 | +27.1 | 10,242 | 10,187 | +0.5 | | | | | | |
| Recreational Goods, Toys, Etc. | 11,830 | 8,840 | +33.8 | 20,798 | 19,039 | +9.2 | | | | | | |
| Other Consumer Goods | 7,550 | 7,541 | +0.1 | 16,282 | 13,336 | +22.1 | | | | | | |
| Gel Coats | 10,571 | 12,741 | -17.0 | 20,247 | 23,404 | -13.5 | | | | | | |
| Other Reinforced, Total | 8,558 | 7,800 | +9.7 | 19,649 | 17,304 | +13.6 | | | | | | |
| **DOMESTIC NON-REINFORCED, TOTAL** | 75,245 | 76,143 | -1.2 | 141,443 | 145,017 | -2.5 | | | | | | |
| Castings, Total | 41,373 | 42,869 | -3.5 | 80,067 | 80,681 | -0.8 | | | | | | |
| Furniture, Non-Reinforced | 985 | 1,066 | -7.6 | 1,964 | 1,961 | +0.2 | | | | | | |
| Cultured Marble & Onyx | 29,515 | 29,772 | -0.9 | 55,314 | 55,049 | +0.5 | | | | | | |
| Other | 10,873 | 12,031 | -9.6 | 22,789 | 23,671 | -3.7 | | | | | | |
| Autobody Putty | 17,092 | 14,619 | +16.9 | 30,948 | 28,463 | +8.7 | | | | | | |
| Surface and Protective Coatings | 1,724 | 1,294 | +33.2 | 3,259 | 2,534 | +28.6 | | | | | | |
| Bonding and Adhesives | 480 | 533 | -9.9 | 983 | 1,015 | -3.2 | | | | | | |
| Unsaturated Polyester Alkyd Resins | D(1) | D(1) | | D(1) | D(1) | | | | | | | |
| Minebolt Anchor Resins | 6,301 | 6,777 | -7.0 | 11,221 | 12,218 | -8.2 | | | | | | |
| Polymer Concrete | 1,726 | * | | 3,059 | * | | | | | | | |
| Other Non-Reinforced, Total | 6,549 | 10,051 | -34.8 | 11,906 | 20,106 | -40.8 | | | | | | |

* - 1984 Data Not available
D - Disclosure

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

0 - 6% Imputation Reinforced Plastics
(1) Included in All other Uses

SPI

SECTION I

CRS

QUARTERLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOSETTING RESINS

THIRD QUARTER REVISED 1985

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | THIRD QUARTER | | | YEAR-TO-DATE | | | THIRD QUARTER | | | YEAR-TO-DATE | | |
| | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE |
| **TOTAL POLYESTER *(Unsaturated)* RESINS** | | | | | | | | | | | | |
| Total Domestic | 310,056 | 304,501 | +1.8 | 939,185 | 941,335 | -0.2 | 308,350 | 306,443 | +0.6 | 938,582 | 954,401 | -1.7 |
| Reinforced Plastics, Total | 239,643 | 231,863 | +3.4 | 727,329 | 723,680 | +0.5 | 231,879 | 224,688 | +3.2 | 710,722 | 712,980 | -0.3 |
| Non-Reinforced Plastics, Total | 70,413 | 72,638 | -3.1 | 211,856 | 217,655 | -2.7 | 76,471 | 81,755 | -6.5 | 227,860 | 241,421 | -5.6 |
| **DOMESTIC REINFORCED PLASTICS, TOTAL** | 239,643 | 231,863 | +3.4 | 727,329 | 723,680 | +0.5 | | | | | | |
| Marine and Marine Accessories, Total | 62,786 | 61,212 | +2.6 | 190,481 | 194,116 | -1.9 | | | | | | |
| Transportation, Total | 31,394 | 23,418 | +34.1 | 90,593 | 75,234 | +20.4 | | | | | | |
| Autos, Trucks, Buses, etc. Total | 26,361 | 19,708 | +33.8 | 76,058 | 63,192 | +20.4 | | | | | | |
| Other Transportation | 5,033 | 3,710 | +35.7 | 14,535 | 12,042 | +20.7 | | | | | | |
| Construction, Total | 93,700 | 94,369 | -0.7 | 292,675 | 300,027 | -2.5 | | | | | | |
| General Construction | 38,583 | 41,272 | -6.5 | 121,427 | 134,253 | -9.6 | | | | | | |
| Bathroom Components and Fixtures | 28,278 | 25,505 | +10.9 | 86,643 | 77,834 | +11.3 | | | | | | |
| Corrosion Resistant and General Purpose Tanks, Pipes, etc. | 26,839 | 27,592 | -2.7 | 84,605 | 87,940 | -3.8 | | | | | | |
| Electrical Generation, Transmission and Distribution, and Electronic Components, Total | 6,710 | 11,129 | -39.7 | 21,309 | 29,298 | -27.3 | | | | | | |
| Consumer Goods, Total | 25,163 | 21,331 | +18.0 | 72,485 | 63,893 | +13.4 | | | | | | |
| Major Appliances & Parts and Business Equipment Parts & Components | 5,512 | 4,174 | +32.1 | 15,754 | 14,361 | +9.7 | | | | | | |
| Recreational Goods, Toys, Etc. | 11,503 | 10,434 | +10.3 | 32,301 | 29,473 | +9.6 | | | | | | |
| Other Consumer Goods | 8,148 | 6,723 | +21.3 | 24,430 | 20,059 | +21.8 | | | | | | |
| Gel Coats | 8,627 | 9,970 | -13.5 | 28,874 | 33,374 | -13.5 | | | | | | |
| Other Reinforced, Total | 11,263 | 10,434 | +8.0 | 30,912 | 27,738 | +11.4 | | | | | | |
| **DOMESTIC NON-REINFORCED, TOTAL** | 70,413 | 72,638 | -3.1 | 211,856 | 217,655 | -2.7 | | | | | | |
| Castings, Total | 42,021 | 42,023 | 0.0 | 122,088 | 122,704 | -0.5 | | | | | | |
| Furniture, Non-Reinforced | 1,953 | 1,850 | +5.6 | 3,917 | 3,811 | +2.8 | | | | | | |
| Cultured Marble & Onyx | 27,628 | 27,556 | +0.3 | 82,942 | 82,605 | +0.4 | | | | | | |
| Other | 12,440 | 12,617 | -1.4 | 35,229 | 36,288 | -2.9 | | | | | | |
| Autobody Putty | 15,677 | 14,275 | +9.8 | 46,625 | 42,738 | +9.1 | | | | | | |
| Surface and Protective Coatings | 1,564 | 1,180 | +32.5 | 4,823 | 3,714 | +29.9 | | | | | | |
| Bonding and Adhesives | 843 | 784 | +7.5 | 1,826 | 1,799 | +1.5 | | | | | | |
| Unsaturated Polyester Alkyd Resins | D(1) | D(1) | | D(1) | D(1) | | | | | | | |
| Mineholt Anchor Resins | 4,247 | 4,684 | -9.3 | 15,468 | 16,902 | -8.5 | | | | | | |
| Polymer Concrete | 1,384 | * | | 4,443 | * | | | | | | | |
| Other Non-Reinforced, Total | 4,677 | 9,692 | -51.7 | 16,583 | 29,798 | -44.3 | | | | | | |

* - 1984 Data Not Available
D - Disclosure

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

0 - 6% Imputation Reinforced Plastics
(1) Included in Other

SPI

SECTION I

CRS

QUARTERLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

## THERMOSETTING RESINS

FOURTH QUARTER 1985

| RESIN KIND & USE | SALES & CAPTIVE USE | | | | | | PRODUCTION | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FOURTH QUARTER | | | YEAR-TO-DATE | | | FOURTH QUARTER | | | YEAR-TO-DATE | | |
| | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE | 1985 | 1984 | % CHANGE |
| **TOTAL POLYESTER *(Unsaturated)* RESINS** | | | | | | | | | | | | |
| Total Domestic | 285,082 | 281,126 | +1.4 | 1,224,267 | 1,222,461 | +0.2 | 284,547 | 277,160 | +2.7 | 1,223,129 | 1,231,561 | -0.7 |
| Reinforced Plastics, Total | 221,202 | 215,389 | +2.7 | 948,531 | 939,069 | +1.0 | 214,833 | 211,044 | +1.8 | 925,555 | 924,024 | +0.2 |
| Non-Reinforced Plastics, Total | 63,880 | 65,737 | -2.8 | 275,736 | 283,392 | -2.7 | 69,714 | 66,116 | +5.4 | 297,574 | 307,537 | -3.2 |
| **DOMESTIC REINFORCED PLASTICS, TOTAL** | 221,202 | 215,389 | +2.7 | 948,531 | 939,069 | +1.0 | | | | | | |
| Marine and Marine Accessories, Total | 55,079 | 54,924 | +0.3 | 245,560 | 249,040 | -1.4 | | | | | | |
| Transportation, Total | 28,978 | 23,477 | +23.4 | 119,571 | 98,711 | +21.1 | | | | | | |
| Autos, Trucks, Buses, etc. Total | 23,669 | 20,031 | 18.2 | 99,727 | 83,223 | +19.8 | | | | | | |
| Other Transportation | 5,309 | 3,446 | +54.1 | 19,844 | 15,488 | +28.1 | | | | | | |
| Construction, Total | 89,365 | 88,956 | +0.5 | 382,040 | 388,983 | -1.8 | | | | | | |
| General Construction | 36,941 | 37,693 | -2.0 | 158,368 | 171,946 | -7.9 | | | | | | |
| Bathroom Components and Fixtures | 25,659 | 22,616 | +13.5 | 112,302 | 100,450 | +11.8 | | | | | | |
| Corrosion Resistant and General Purpose Tanks, Pipes, etc. | 26,765 | 28,647 | -6.6 | 111,370 | 116,587 | -4.5 | | | | | | |
| Electrical Generation, Transmission and Distribution, and Electronic Components, Total | 5,972 | 7,969 | -25.1 | 27,281 | 37,267 | -26.8 | | | | | | |
| Consumer Goods, Total | 23,669 | 20,677 | +14.5 | 96,154 | 84,570 | +13.7 | | | | | | |
| Major Appliances & Parts and Business Equipment Parts & Components | 5,530 | 4,308 | +28.4 | 21,284 | 18,669 | +14.0 | | | | | | |
| Recreational Goods, Toys, Etc. | 10,175 | 9,477 | +7.4 | 42,476 | 38,950 | +9.1 | | | | | | |
| Other Consumer Goods | 7,964 | 6,892 | +15.6 | 32,394 | 26,951 | +20.2 | | | | | | |
| Gel Coats | 8,627 | 9,262 | -6.9 | 37,501 | 42,636 | -12.0 | | | | | | |
| Other Reinforced, Total | 9,512 | 10,124 | -6.1 | 40,424 | 37,862 | +6.8 | | | | | | |
| **DOMESTIC NON-REINFORCED, TOTAL** | 63,880 | 65,737 | -2.8 | 275,736 | 283,392 | -2.7 | | | | | | |
| Castings, Total | 37,691 | 38,445 | -2.0 | 159,779 | 161,149 | -0.9 | | | | | | |
| Furniture, Non-Reinforced | 2,908 | 1,658 | +75.4 | 6,825 | 5,469 | +24.8 | | | | | | |
| Cultured Marble & Onyx | 23,968 | 24,440 | -1.9 | 106,910 | 107,045 | -0.1 | | | | | | |
| Other | 10,815 | 12,347 | -12.4 | 46,044 | 48,635 | -5.3 | | | | | | |
| Autobody Putty | 14,162 | 13,507 | +4.9 | 60,787 | 56,245 | +8.1 | | | | | | |
| Surface and Protective Coatings | 1,271 | 1,193 | +6.5 | 6,094 | 4,907 | +24.2 | | | | | | |
| Bonding and Adhesives | 508 | 759 | -33.1 | 2,334 | 2,558 | -8.8 | | | | | | |
| Unsaturated Polyester Alkyd Resins | D(1) | D(1) | | D(1) | D(1) | | | | | | | |
| Minebolt Anchor Resins | 4,374 | 4,196 | +4.2 | 19,842 | 21,098 | -6.0 | | | | | | |
| Polymer Concrete | 1,658 | * | | 6,101 | * | | | | | | | |
| Other Non-Reinforced, Total | 4,216 | 7,637 | -44.8 | 20,799 | 37,435 | -44.4 | | | | | | |

* - 1984 Data Not Available
D - Disclosure

COMPILED BY ERNST & WHINNEY, NEW YORK, N.Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

0-6% Imputation Reinforced Plastics

PARTICIPANTS

| POLYESTER RESINS | DATE REPORT RECEIVED BY ERNST & WHINNEY |
|---|---|
| Advance Coatings Co. | 3/3/86 |
| Alpha Chemical Co. | 2/28/86 |
| Ashland Chemical Co. | 3/20/86 |
| AZS Corporation | 1/10/86 |
| Cargill, Inc. | 1/31/86 |
| Cook Paint & Varnish Co. | 1/23/86 |
| Dow Chemical Co. | 3/11/86 |
| Freeman Chemical Corp. | 1/30/86 |
| Glidden Coatings & Resins Div. of SCM | 1/24/86 |
| ICI Americas | 2/21/86 |
| Inmont Corp. | 1/31/86 |
| Interplastics Corporation Commercial Resins Division | 1/21/86 |
| Koppers Co., Inc. | 2/28/86 |
| Owens-Corning Fiberglas | 1/24/86 |
| Pioneer Plastics Corp. | 2/28/86 |
| Reichhold Chemicals, Inc. | 1/23/86 |
| Silmar Division Sohio Chemical Co. | 1/31/86 |
| USS Chemicals-Polyester Unit | 1/21/86 |